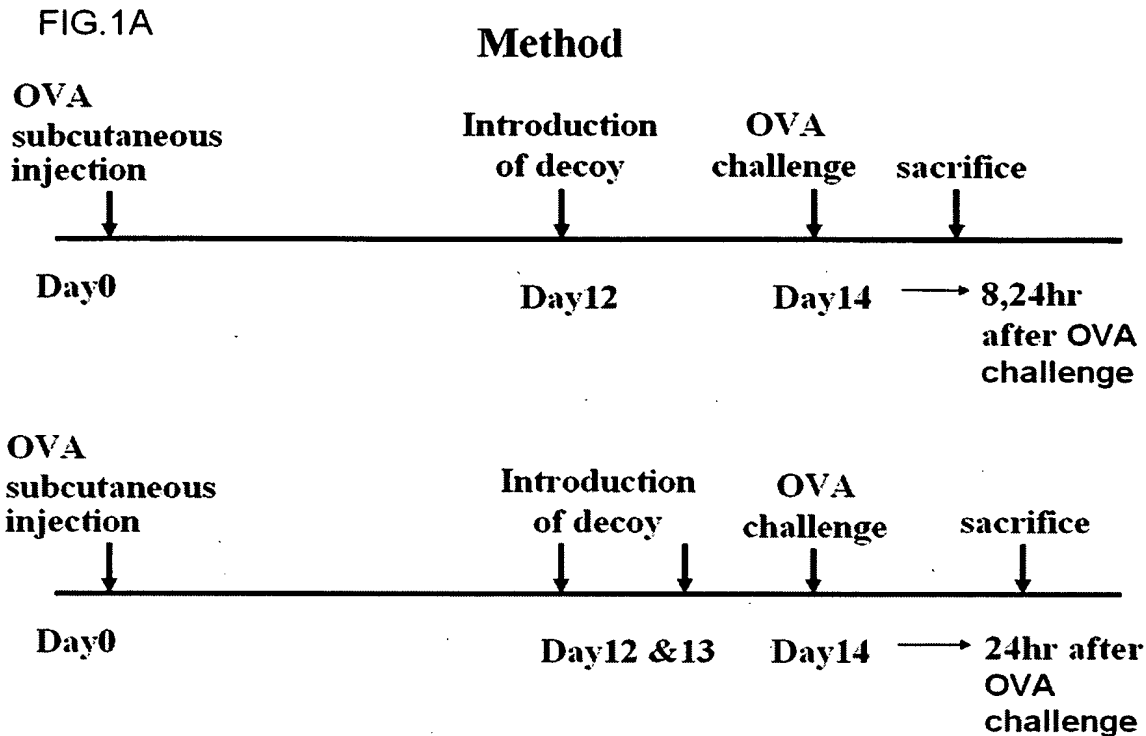


1/12

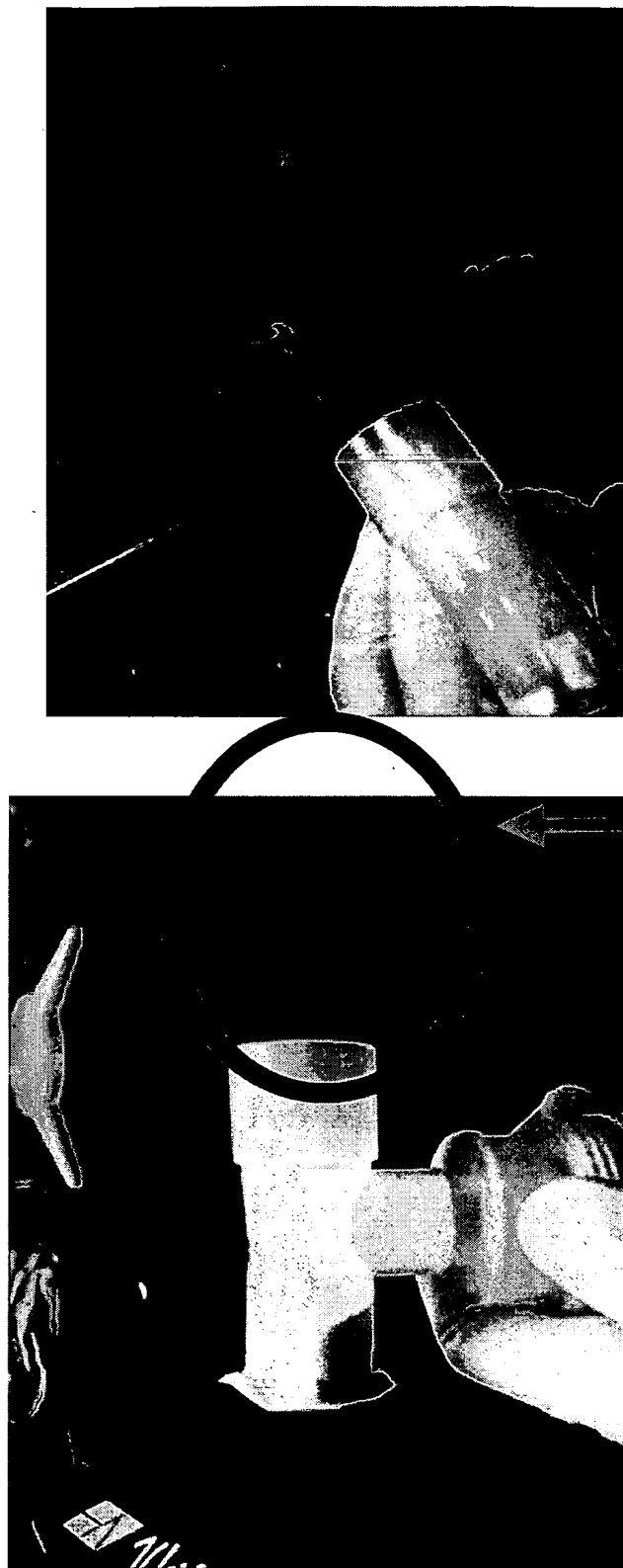


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2/12

FIG.1B

Inhalation of OVA and decoy into rat



nasal inhalation

aerosol

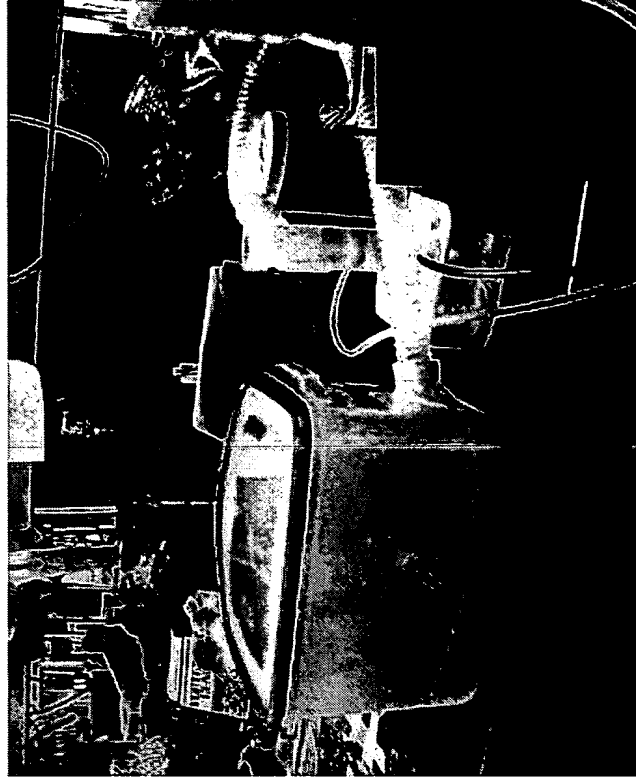
Decoy :2mg/4ml

OVA :5%wt. \times 5min

O2 flow 7-8 ℓ /min

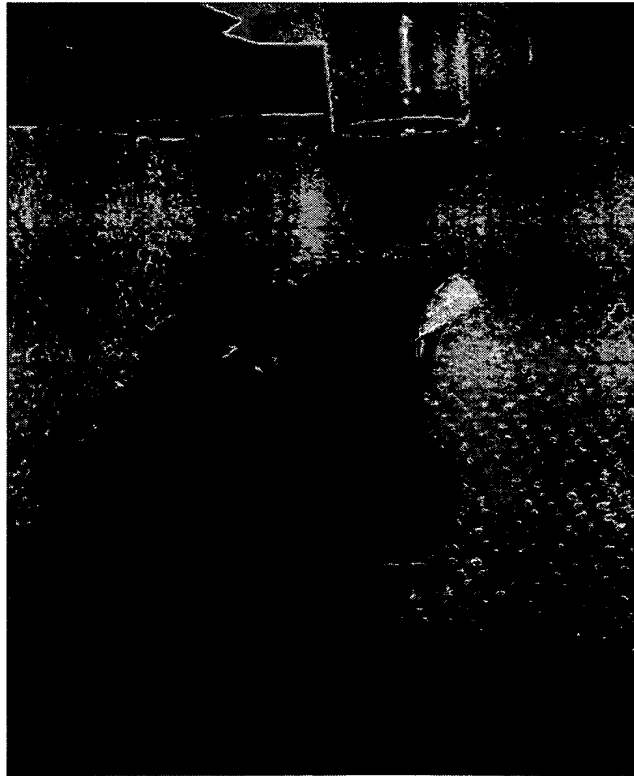
3/12

Inhalation of decoy into rat (2)



Decoy :2 or 4mg/20ml x 2
Air flow 7-8 l/min, 60min
normal inhalation

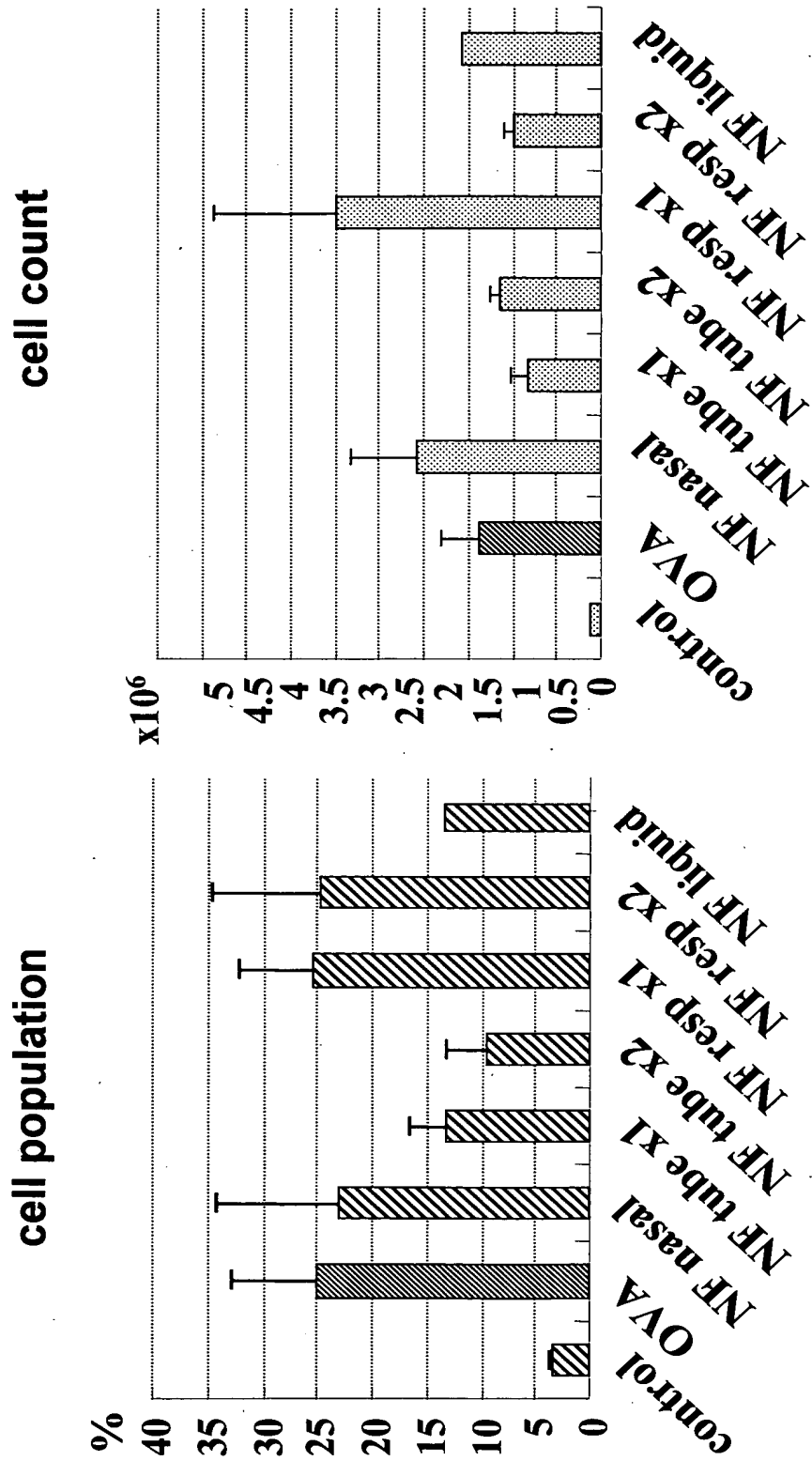
FIG.1C



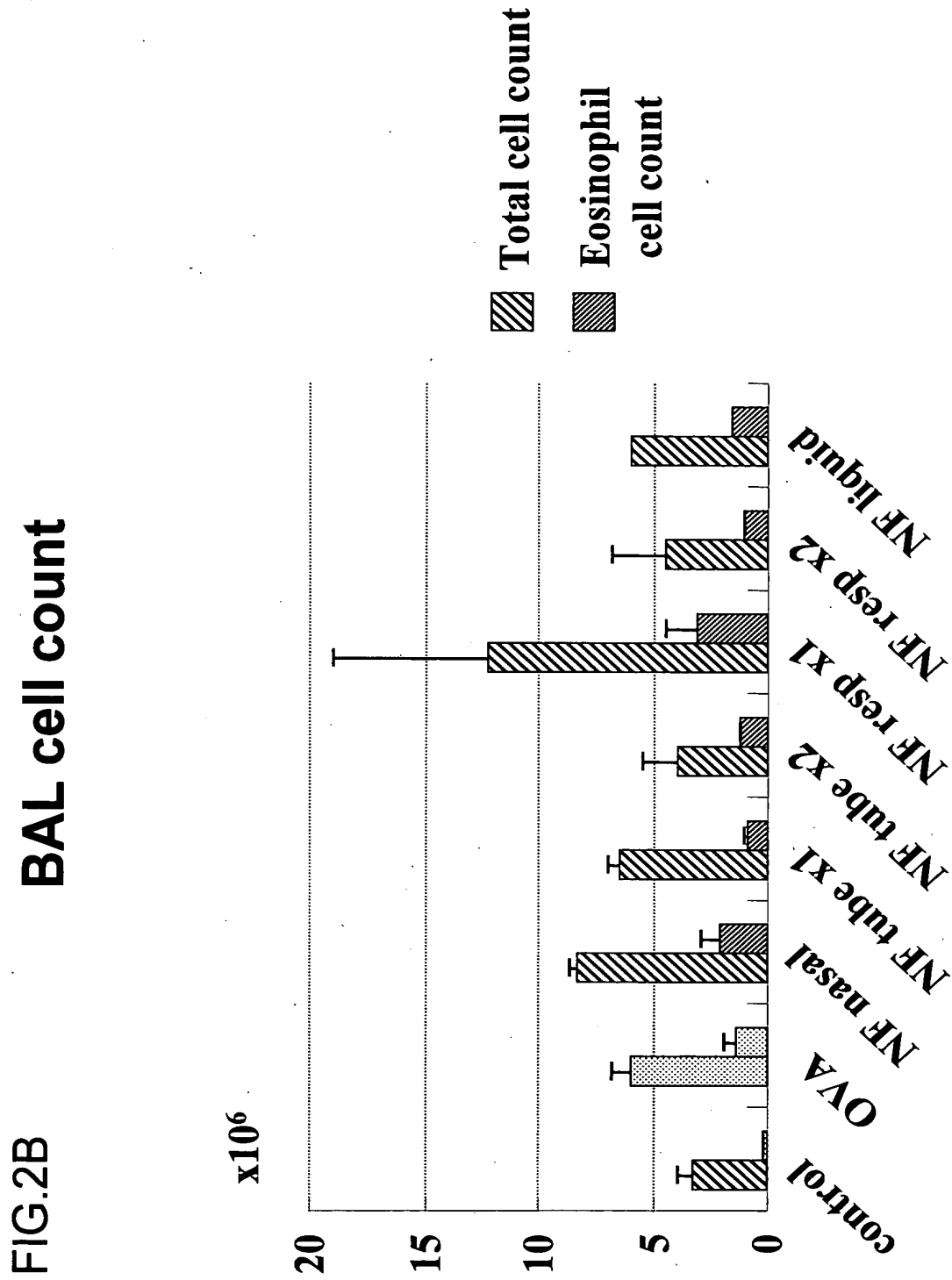
Insertion of needle

4/12

FIG.2A



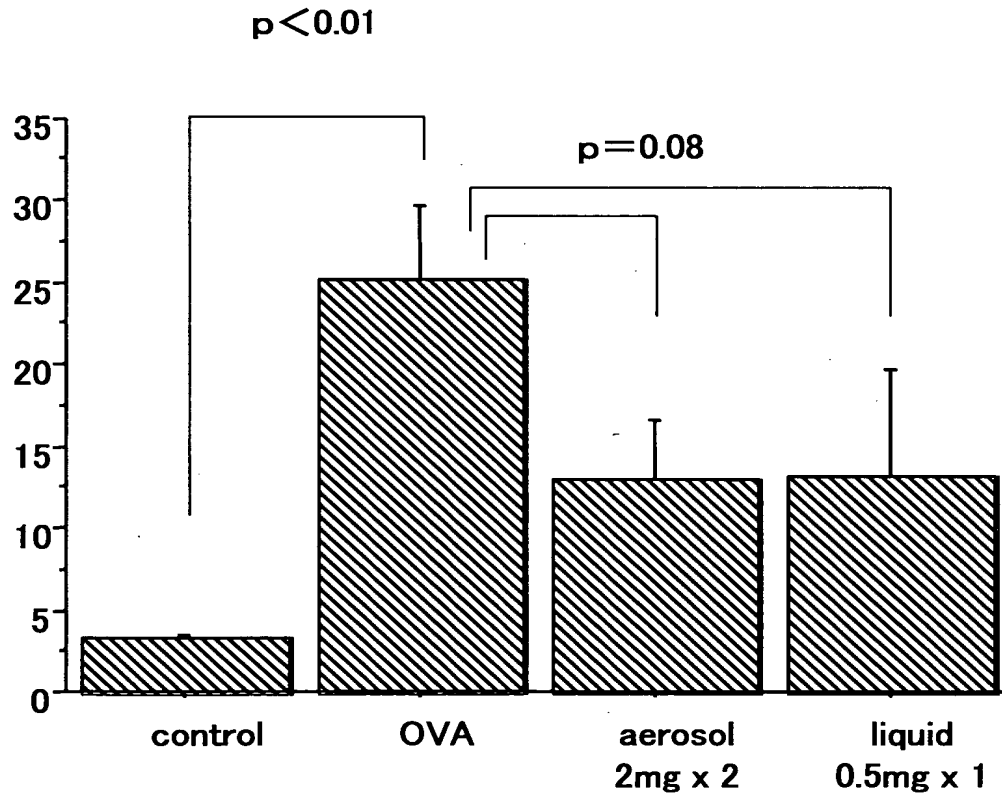
5/12



6/12

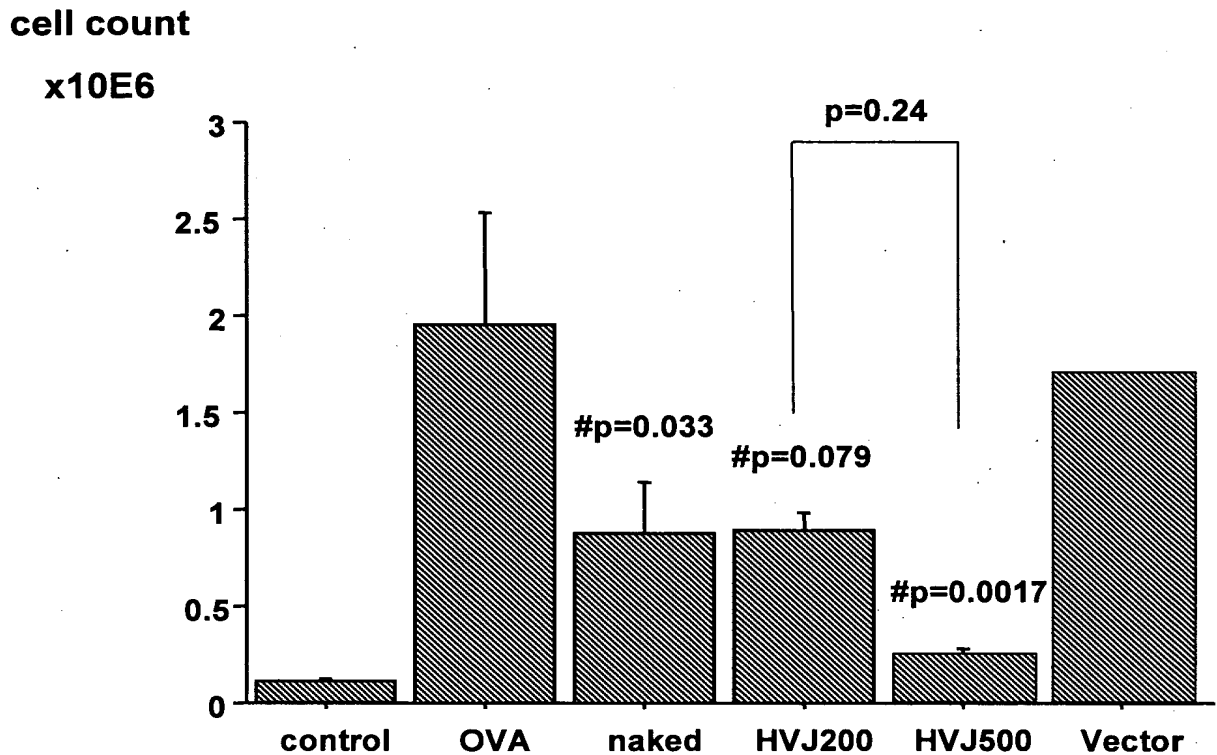
FIG.2C

BAL Eosinophil %



7/12

FIG.3A BAL Eosinophil cell count



naked: naked decoy 500ug

HVJ(200): HVJ-E 10000HAU & decoy 200ug

HVJ(500): HVJ-E 25000HAU & decoy 500ug

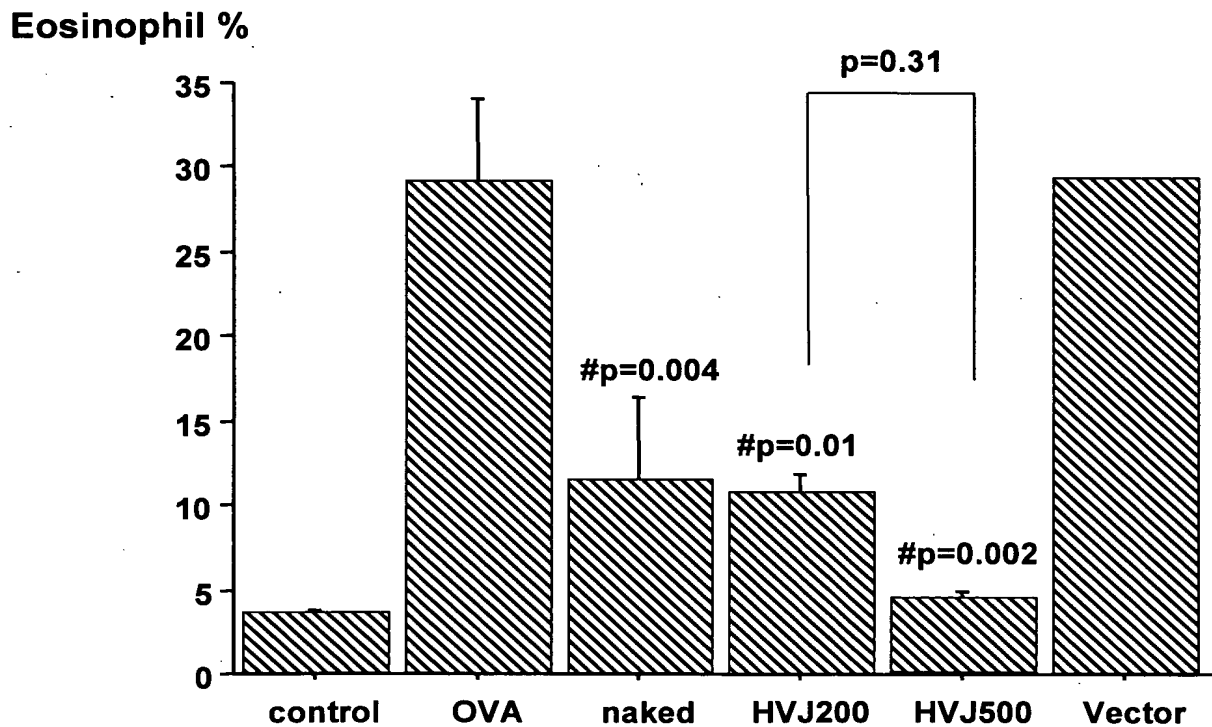
Vector: HVJ-E 25000HAU without decoy

#: vs. OVA

8/12

FIG.3B

BAL Eosinophil %



naked: naked decoy 500ug

HVJ(200): HVJ-E 10000HAU & decoy 200ug

HVJ(500): HVJ-E 25000HAU & decoy 500ug

Vector: HVJ-E 25000HAU without decoy

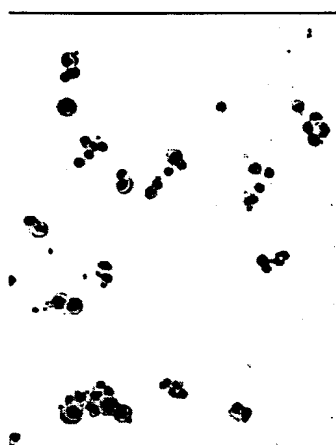
#: vs. OVA

9/12

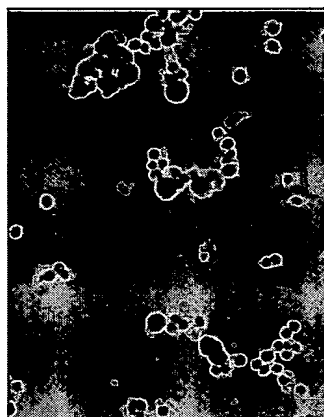
FIG. 4



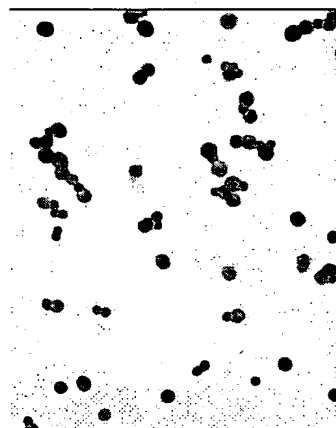
HVJ-E 200 μ g
(Eo%)



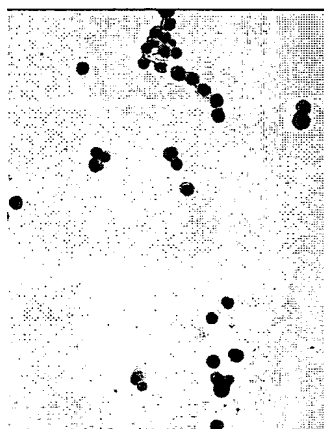
HVJ-E 500 μ g
(Eo%)



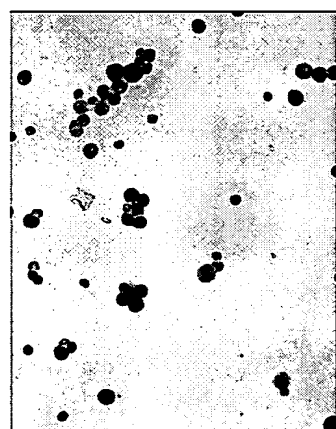
OVA (Eo25.2%)



decoy tube insertion
normal inhalation
2mg x 2 (Eo10.1%)

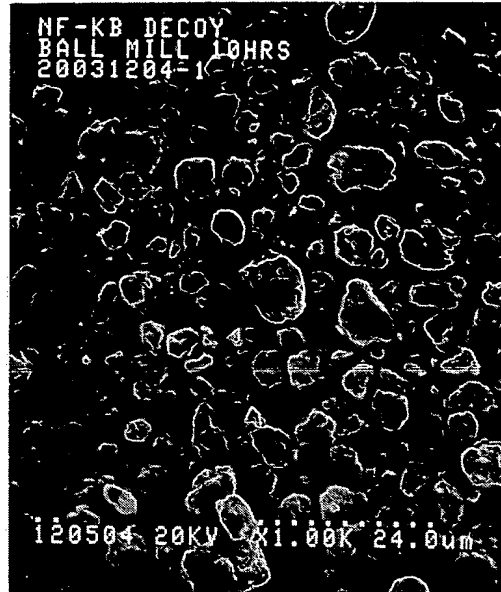


control (Eo3.4%)

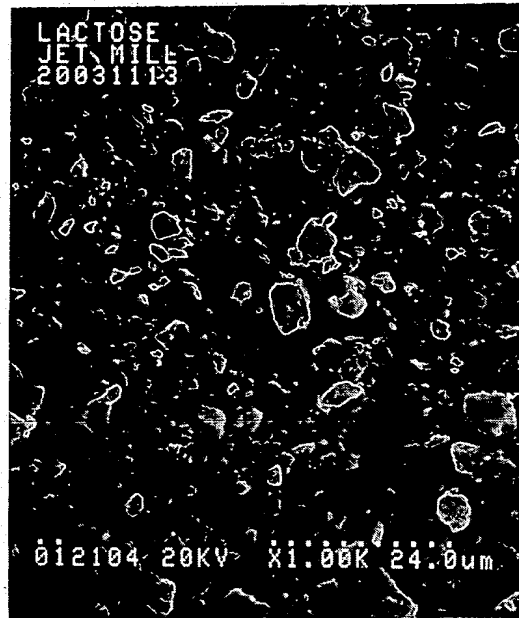


decoy tube insertion
normal inhalation
1mg x 2 (Eo13.2%)

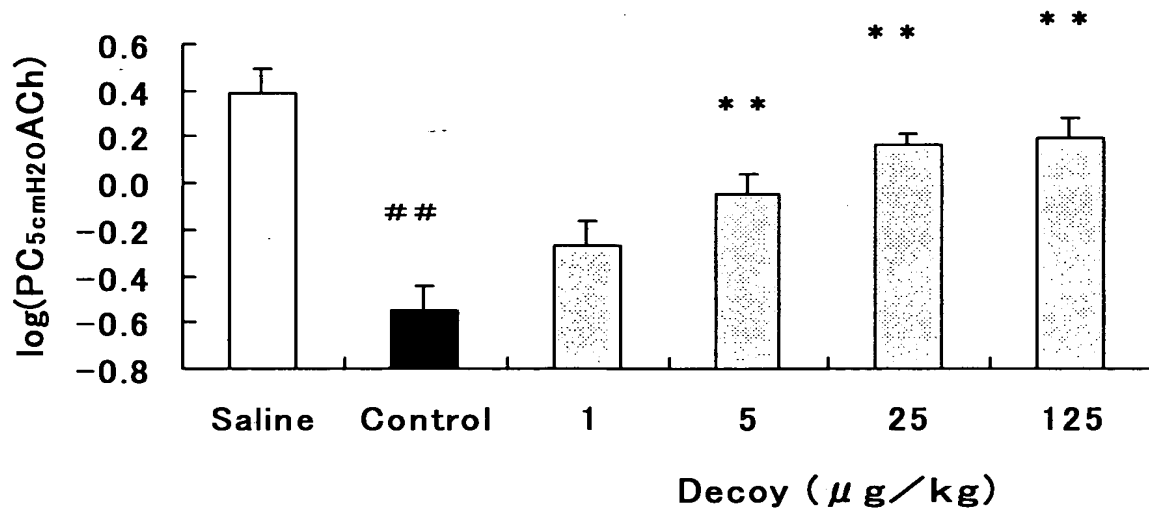
10/12



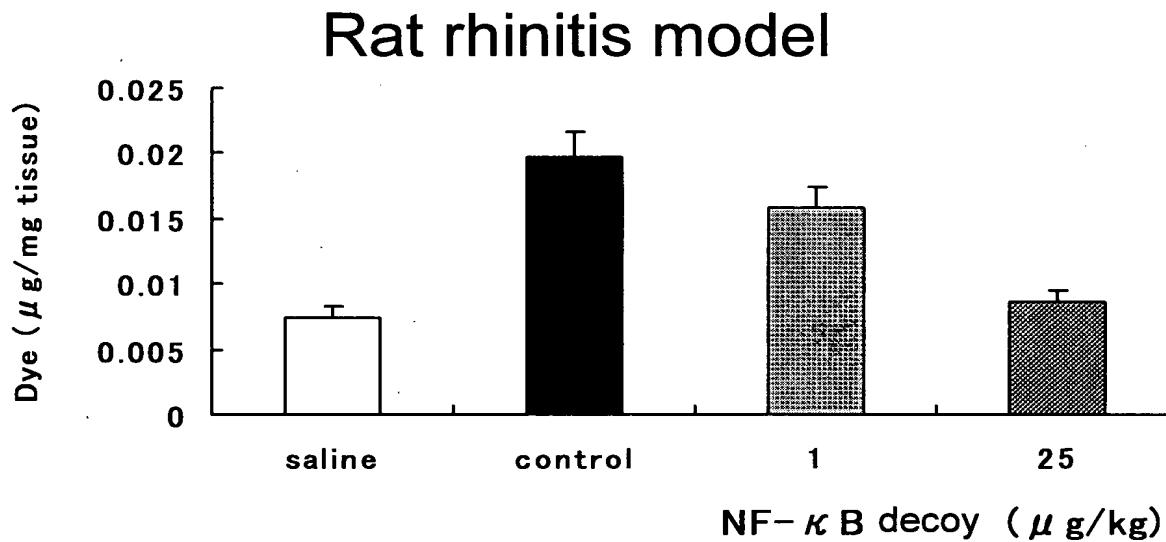
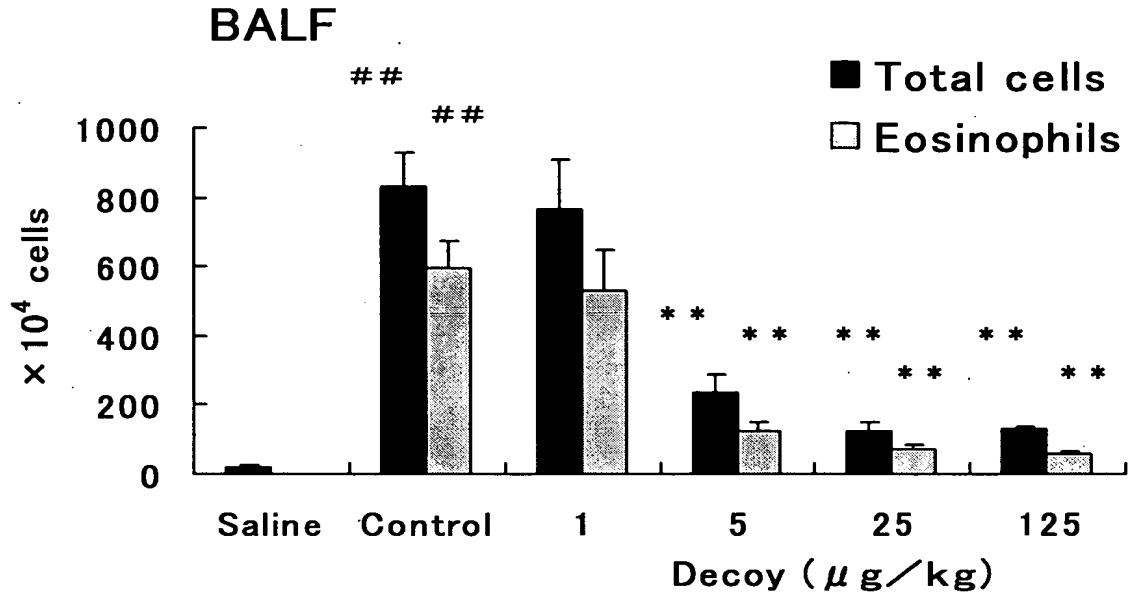
11/12



AHR



12/12



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